WEATHER, p. 2

THU: 91°F | 72°F Chance showers/T-storms

FRI: 92°F | 73°F Chance showers/T-storms

Wednesday, July 3, 2013

# New backup child care program live

#### Students receive a subsidized rate

By Anthony Yu

Volume 133, Number 29

Starting on July 1, 2013, undergraduate and graduate students with children were able to pre-register for the new subsidized backup child care program. The new program provides students with access to caregivers on a short notice through Parents in a Pinch, a national vendor for child care services. The program will run as a pilot until June 30, 2014, when it will reexamined for renewal.

For up to 10 days of the fiscal year, students can use the backup child care service, which provides a nanny at a subsidized rate of \$5 per hour. Any days beyond the ten days cost \$18.50 per hour and a daily placement fee ranging from \$25 to

The program aims to give students more flexibility and relieve some of the stress that comes with balancing academics and disruptions to normal child care. Students

can choose to use the service for a myriad of reasons. For example, backup care may be used when students have school responsibilities or when the day care is closed.

"I know for myself, I cannot make a 6 p.m. meeting if I have already picked up my daughter from child care and I need to be thinking about dinner. If two parents are working, juggling these things can be difficult," said Marzyeh Ghassemi G, a GSC Housing and Community Affairs co-chair.

After the pilot year, the program will be evaluated to determine whether or not it will be continued. Especially important in evaluating the program will be the initial preregistration numbers and subsequent usage levels. However, the backup child care program is seen as a long-term initiative.

"Hopefully it will be a long-term program. We think it will be able to touch everybody in a way other programs don't do as easily," said Kathy



Construction of the David H. Koch Childcare Center, which will be the fifth on-campus day care facility at MIT, has filled in the empty space left behind by the demolition of 219 Vassar St. last fall. The building was fabricated off-site, making its assembly next to Simmons Hall quicker and easier. The center is scheduled to open by the end of this summer.

Simons, senior program manager of Child Care Services and Work-Life Policy at the MIT Work-Life Office. "I think it's not a pilot in the sense that we're doing it now but we're going to do other things later. I think

it's going to one of those programs that will be kept."

#### **Funding**

The Office of the Provost, MIT Work-Life Center, and Graduate Student Council (GSC) will fund the six-figure program. The GSC, from Career Fair profits, will provide the \$38,000, with additional fund-

Childcare, Page 7

# Housing increases dorm occupancy

#### Bexley closure causes temporary crowding in six undergrad dorms

By Kath Xu and Tushar Kamath

STAFF REPORTERS

Two weeks ago, MIT Housing announced that six undergraduate dorms will be undergoing a temporary housing increase for the fall semester. MIT Housing sent an email to each student living in the affected dorms listing the specific rooms in their dorm that will have increased occupancy.

This increased capacity comes in response to the closing of Bexley last month and the subsequent loss of 116 beds, as well as a larger demand for on-campus housing. According to the Senior Associate Dean for Student Life, Henry J. Humphreys, a total of 134 additional beds are being added. Burton-Conner is adding 39, East Campus 31,

Next 26, McCormick 21, Baker 9, and New House 9 beds

The Housing Office worked with the housemasters and rooming assignment chairs (RACs) to determine which rooms would increase their occupancy, while the dorm representatives did not play a part in determining whether their dorm capacity would have to increase in the first place.

"Housing gave us the list of rooms that would be tripled," explained Melody G. Liu '16, the housing chair for New House. "Unfortunately, I did not get a say in which rooms or how many rooms were tripled. In the future, we hope Housing will allow students to have more of a voice in overcrowding."

The level of involvement from dormlevel governments varied across the dorms. Professor Charles H. Stewart III, McCormick housemaster, seemed to have more input in the increased occupancy.

"The process is pretty automatic. We have a series of doubles that have in the past been crowded into triples," described Stewart. "We worked with the housing office and our room assignment chairs to make sure that the rooms that will be crowded are the ones that make sense. However, I should also say that almost every crowdable room in the dormitory will be crowded, so there wasn't a whole lot of flexibility for anyone."

East Campus room assignment chair Leonid Grinberg '14 also worked extensively with MIT Housing after controversy

Dorms, Page 10

#### p.m. until approximately 2 a.m. on July 5. Other 4 p.m. closures to vehicular traffic include Main Street between Third Street and the Longfellow

Bridge; Ames Street between Main Street and Memorial Drive; Land Boulevard from Binney Street to the Longfellow Bridge; Charlotte's Way; and Amherst, Wadsworth, Hayward, Carleton, and Dock Streets. The Longfellow Bridge will remain open to pedestrian and bicycle traffic after 4 p.m. only on the inbound (Cambridge to Bos-

Security changes in

Increased security measures are in effect for

this year's Fourth of July celebrations in the wake

of the Boston Marathon bombings. Several road

closures take effect starting at 4 p.m. in contrast

with 4:30 p.m. or 6 p.m. closures last July Fourth.

Most notably, the Harvard Bridge will not be ac-

cessible to pedestrians or vehicular traffic from 4

store for July 4th

For those planning to attend the celebrations along the Esplanade, several additional restrictions to allowed items and times of entry will be in place. Last year, items needed to be checked only when entering a lawn area on the Esplanade known as the Oval. This year, prohibited items not allowed anywhere on the Esplanade include coolers on wheels, backpacks, cans, pre-mixed beverages, alcohol, grills, and propane tanks. As with last year, glass containers, sharp objects, fireworks, and weapons are prohibited and will be confiscated.

The 4 p.m. deadline for passing through security checkpoints will be two hours earlier than in 2012, and applies to people bringing "allowable items." Such items include pop-up tents or canopies without sides with an area no greater than 10' x 10' in size, blankets or tarps no more than 10' x 12' in size, folding/beach chairs, coolers which can be carried by shoulder strap or single handle (no wheels), personal items carried in clear bags, and small purses. After 4 p.m., only chairs or tarps and blankets no more than 10' x 12' in size will be allowed. The Boston Pops concert at the Hatch Shell, which also features other headlining artists, is scheduled to begin at 7:30 p.m. with the fireworks following at 9:30 p.m. Have a happy Fourth! -Alexander C. Bost

#### IN SHORT

James Reed announced that he would resign as New House RLAD, effective June 28, in an email to the dorm's residents on June 19.

Two-vear Chair of the Faculty Samuel M. Allen PhD '75 stepped down at the end of June. Allen is transitioning into retirement, first serving as a "Professor without Tenure, Retired."

The Tech publishes once a month during the summer. Our next issue comes out on Aug. 7, and we resume our regular Tuesday/Friday publication schedule on Aug. 23.

Shaw's discontinued its loyalty card program this past weekend.

Send news information and tips to news@tech.mit.edu.

# Course 2 alum and squash coach runs for city council Wants more housing, balanced development

By Kristen Sunter

Nadeem Mazen '06 has announced his candidacy for the Cambridge City Council. If elected in November, he will be the second MIT alumnus to serve on the council after Leland Cheung MBA '10, who is also running for reelection. Mazen's campaign is focusing on the issues of affordable housing, zoning, term limits for city councillors, dedicated spaces for arts, and opportunities for mentorship in K-12 education.

After graduating in 2006 with a bachelor's in mechanical engineering, Mazen founded two businesses in Central Square: danger!awesome, which is a laser cutting and engraving studio, and NimbleBot, which creates interactive software and

digital design. He also teaches business essentials to artists at the School of the Museum of Fine Arts and is the head coach of the MIT squash team. If he is one of the nine (among two dozen candidates) to win a city council seat, which is a full-time position, he plans to leave several of these projects and reduce his teaching load to one day a week.

He decided to run for city council after he attended a zoning board meeting and a city council meeting. "I was so surprised at the huge amount of information that hadn't been well digested for public consumption," he said. If elected, he wants to give out educational materials to people

Mazen, Page 12

#### **COMIC COP DUO IN MOVIE, THE HEAT**

Review of movie starring Sanda Bullock and Melissa McCarthy. ARTS, p. 8

#### **COURT RULES ON FISHER V. UT**

Affirmative action at MIT safe, for now. NEWS, p. 7

#### **NEWS BRIEFS**

FSILG intruders, interim Course 2 head, and new housemasters. NEWS, p. 7



#### **NARCISSISM IN NEW ALBUM BY KANYE**

Yeezus praised by industry critics, but unimpressive in new review. ARTS, p. 8

#### **HELPING GRAD STUDENT FAMILIES**

GSC representatives express hope for future child care initiatives.

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# NATION WORLD

#### Russian rocket crashes in Kazakhstan

MOSCOW — An unmanned rocket carrying Russian satellites veered off course and crashed a few seconds after liftoff early Tuesday, sending a cloud of highly toxic orange fumes toward the Kazakh city of Baikonur only 50 miles away.

Fears that the toxic cloud would waft into Baikonur were eased later in the day, however, after heavy rains dispersed the

Photographs posted online had shown the ominous cloud stretching over buildings near the launching pad, and residents of Baikonur, population 70,000, had been instructed to stay indoors and refrain from using air conditioners.

The Proton-M rocket rose just above its launching tower at the Baikonur Cosmodrome, wobbled and then tipped over into the desert in a ball of fire.

The short flight Tuesday was the fourth Proton failure in three years, and it was sure to raise safety questions among NASA officials and Western commercial clients of Russia's space services.

In recent years, the National Aeronautics and Space Administration has relied on Russia to provide transportation for U.S. astronauts headed to the International Space Station. But those spaceflights have been powered by a Soyuz rocket that has a

The Russian space agency did not immediately offer an explanation for the crash.

There were no reported injuries at the site of the accident, an area that Russia rents for rocket launchings. But the short flight, instead of a journey to space, made for one of the most prominent rocket disasters in Russia's space program in recent years.

"According to the preliminary estimates from the Russian side, there is no destruction and there are no casualties," the Kazakh space agency, KazCosmos, said in a statement, according

-Andrew E. Kramer, The New York Times

#### Lawsuit aims to block horse meat inspections

Several animal rights groups filed a lawsuit Tuesday against the Agriculture Department, seeking to prevent it from inspecting horse meat that some companies want to produce for human consumption.

Separately, the department announced its approval for horse slaughtering at a plant in Iowa, the second facility approved for processing equine meat in less than a week. On Friday, it said it would provide inspection services to the Valley Meat Co. in Roswell, N.M., for the same purpose.

Responsible Transportation of Sigourney, Iowa, and Valley Meat would be the first two plants to process horses since 2007, when Congress effectively banned equine slaughter. The prohibition ended in 2011, and various companies, many backed by European investors, have sought inspection services for horse

The animal rights groups involved in the lawsuit — the  $\operatorname{Hu}$ mane Society of the United States, Front Range Equine Rescue, Marin Humane Society, the Horses for Life Foundation and Return to Freedom, along with five individual plaintiffs - contend that the Agriculture Department did not perform reviews required by the National Environmental Protection Act before authorizing Valley Meat to operate.

"The USDA has failed to consider the basic fact that horses are not raised as a food animal," Hilary Wood, president of Front Range Equine Rescue, said in a statement. "Horse owners provide their horses with a number of substances dangerous to human health. To blatantly ignore this fact jeopardizes human health as well as the environment surrounding a horse

Valley Meat has said it would test meat it produces to ensure that it does not contain any residues of certain harmful substances.

-Stephanie Strom, The New York Times

# Supreme Court rulings bolster same-sex marriage

By Adam Liptak THE NEW YORK TIMES

WASHINGTON - In a pair of major victories for the gay rights movement, the Supreme Court ruled last Wednesday that married same-sex couples were entitled to federal benefits and, by declining to decide a case from California, effectively allowed same-sex marriages there.

The rulings leave in place laws banning same-sex marriage around the nation, and the court declined to say whether there was a constitutional right to such unions. But in clearing the way for same-sex marriage in California, the nation's most populous state, the court effectively increased to 13 the number of states that allow

The decisions will only intensify the fast-moving debate over samesex marriage, and the clash in the Supreme Court reflected the one around the nation. In the hushed courtroom last Wednesday morning, Justice Anthony M. Kennedy announced the majority opinion striking down the federal law in a stately tone that indicated he was delivering a civil rights landmark. After he finished, he sat stonily, looking straight ahead, while Justice Antonin Scalia unleashed a cutting dissent.

The vote in the case striking down the federal Defense of Marriage Act was 5 to 4, and Justice Kennedy was joined by the four members of the court's liberal wing. The ruling will immediately extend many benefits to couples married in the states that allow such unions, and it will allow the Obama administration to broaden other benefits through executive

The case concerning California's ban on same-sex marriage, enacted in a ballot initiative known as Proposition 8, was decided on technical grounds, with the majority saying that it was not properly before the court.

Because officials in California had declined to appeal a trial court's decision against them, and because the proponents of the ban were not entitled to step into the state's shoes to appeal the decision, the court said, it was powerless to issue a decision. That left in place a trial court victory for two same-sex couples who had sought

The vote in the California case was also 5 to 4, but with a different and very unusual alignment of justices. Chief Justice John G. Roberts Jr. wrote the majority opinion, and he was joined by Justice Scalia and Justices Ruth Bader Ginsburg, Stephen G. Breyer and Elena Kagan. The four dissenters — Justice Kennedy and Justices Clarence Thomas, Samuel A. Alito Jr. and Sonia Sotomayor - said they would have decided whether Proposition 8 was constitutional. But they did not say how they would have

The case on the federal law was the more important one from a legal perspective, setting the terms for challenges to state bans on same-sex marriage. Justice Kennedy's reasoning, as Justice Scalia noted at length in dissent, could just as easily have applied to state laws as to the federal one.

## Obama administration to delay health law requirement until 2015

By Jackie Calmes

THE NEW YORK TIMES

WASHINGTON — The Obama administration announced Tuesday that it would delay for a year, until 2015, the Affordable Care Act mandate that employers provide coverage for their workers or pay penalties, responding to business complaints and postponing the effective date beyond next year's midterm elections.

We have heard concerns about the complexity of the requirements and the need for more time to implement them effectively," Mark J. Mazur, an assistant Treasury secretary, wrote on the department's website in disclosing the delay. "We recognize that the vast majority of businesses that will need to do this reporting already provide health insurance to their workers, and we want to make sure it is easy for others to do so."

Under the 2010 law, employers of more than 50 full-time employees were required to provide them with health insurance starting next year or face fines. Numerous reports had suggested that some companies with payrolls at or just over that size were complaining that they would have to cut some jobs or switch some full-time workers to part-time employment.

The change does not affect other central provisions of the law, in particular those establishing health care marketplaces in the states - known as exchanges where individual Americans without health insurance can shop from a menu of insurance policies. Under those provisions, subsidies are available for lower-income people who qualify.

However, it will be difficult for officials running the exchanges to know who is entitled to subsidies if they are not able to confirm whether employers are offering insurance to their employees. Enrollment in the exchanges is to begin Oct. 1, and they are to take effect Jan. 1.

Much of the administration's public effort, especially at the Department of Health and Human Services, has been directed toward spreading the word to uninsured Americans, especially younger and healthier people whose participation is needed to help keep down the price of premiums for everyone else. About 15 percent of Americans are uninsured, so most people are unaffected, at least initially.

Behind the scenes, however, the administration has been fielding questions and criticism from businesses about the mandated reporting requirements - especially the Treasury Department, which has responsibility, given its oversight of the nation's tax reporting system.

#### **WEATHER**

#### Wet, Hot Boston Summer

**By Vince Agard** 

cated off the East Coast has brought warm, moist conditions to much of the Eastern United States for the past few days. The southwesterly flow associated with this system has created a train of showers and thunderstorms stretching from the Gulf of Mexico to New England. Here at the Institute, this has resulted in a pattern of hot, partly cloudy days punctuated by the occasional passing shower or thunderstorm. Fortunately for those who like this kind of weather, the strong Atlantic high pressure system is expected to persist for the foreseeable future, meaning the pattern of heat and storms will continue at least through the beginning of next week.

Accordingly, those participating in Independence Day festivities tomorrow should expect hot, mostly sunny conditions during the day, with temperatures reaching the lower 90s and a moderate southwesterly wind precluding the development of a cool sea breeze. Evening temperatures should also be relatively warm, with temperatures falling through the 80s and upper 70s overnight. However, those participating in outdoor activities should be prepared for the possibility of showers and thunderstorms sneaking through, especially in the afternoon and evening.

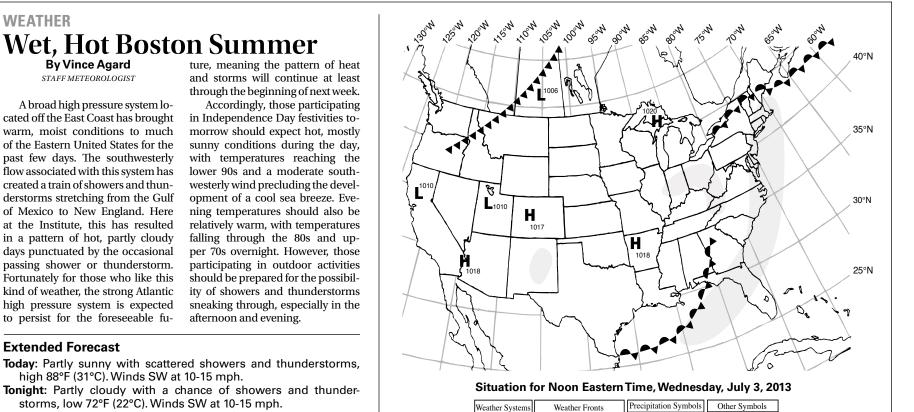
#### **Extended Forecast**

Today: Partly sunny with scattered showers and thunderstorms, high 88°F (31°C). Winds SW at 10-15 mph.

storms, low 72°F (22°C). Winds SW at 10-15 mph. Tomorrow: Mostly sunny with a chance of showers and thunder-

storms, high 91°F (33°C). Winds SW at 10-15 mph. Friday: Mostly sunny with a chance of showers and thunderstorms, highs in the low 90s (33°C).

Saturday: Mostly sunny with a chance of showers and thunderstorms, highs around 90°F (32°C).



Rain  $\overset{*}{\nabla}$ 

 $\nabla$ 

\*

Moderate \*\* Thunderstorn

# Snowden said to claim US is attempting intimidation

By Rick Gladstone and William Neuman

THE NEW YORK TIMES

Edward J. Snowden, the fugitive former U.S. security contractor, appeared to break his silence Monday for the first time since he flew to Moscow eight days ago. WikiLeaks, the anti-secrecy group, issued a statement attributed to Snowden that denounced President Barack Obama for revoking his passport, opposing his asylum requests and leaving him a "stateless person."

The statement posted on the website of WikiLeaks, which has been assisting Snowden, also accused Obama and the U.S. government of seeking to intimidate him and deceive the world because of his disclosures about the vast global surveillance efforts of U.S. intelligence agencies.

The statement attributed to Snowden cited Obama's assertion last week that he would not permit any diplomatic "wheeling and dealing" with other countries that might wish to grant him asylum. Nonetheless, it said, Vice President

Joe Biden had been pressuring "the leaders of nations from which I have requested protection to deny my asylum petitions."

Biden telephoned President Rafael Correa of Ecuador last week and asked him not to grant Snowden asylum, Correa said Saturday.

"The Obama administration has now adopted the strategy of using citizenship as a weapon," the statement attributed to Snowden said. "Although I am convicted of nothing, it has unilaterally revoked my passport, leaving me a stateless person. Without any judicial order, the administration now seeks to stop me exercising a basic right. A right that belongs to everybody. The right to seek asylum."

A later post, which appeared early Tuesday on the WikiLeaks website, said Sarah Harrison, the group's legal adviser in the Snowden matter, had "submitted by hand a number of requests for asylum and asylum assistance on behalf" of Snowden to 19 countries. They were listed as Austria, Bolivia, Brazil, China, Cuba, Finland, France, Germany, India, Italy, Ireland, the

Netherlands, Nicaragua, Norway, Poland, Russia, Spain, Switzerland and Venezuela.

The post said the requests, which "outline the risks of persecution Mr. Snowden faces in the United States," were delivered to an official at the Russian Consulate at the Moscow airport where, according to Russian officials, Snowden is ensconced in an international transit lounge, trying to determine his next step, and has technically not entered Russian territory. It said the consulate had started delivering the requests to the relevant embassies in Moscow.

The statement Monday attributed to Snowden appeared to be the first direct word from him about his predicament since his flight to Moscow from Hong Kong on June 23 despite a U.S. request to the Hong Kong authorities to arrest Snowden, who is accused of violating espionage laws. His disclosures have embarrassed the Obama administration and caused tensions with other countries, including China, Russia and members of the European Union.

# Kerry, meeting with Russian counterpart, seeks Syria talks soon

By Michael R. Gordon

THE NEW YORK TIMES

BANDAR SERI BEGAWAN, Brunei — U.S. Secretary of State John Kerry said Tuesday that the United States and Russia were still working toward holding an international peace conference on Syria and agreed that it should take place "sooner rather than later."

"We agreed that we are both serious, more than serious, committed," Kerry said after meeting here in the Brunei capital with his Russian counterpart, Foreign Minister Sergey V. Lavrov.

But Kerry indicated that there were still differences with the Kremlin over the conference and suggested that it might not be held before September because of the press of other diplomatic business and the practice of European and other leaders to go on vacation in August.

Kerry made his remarks in a statement at the U.S. Embassy here,

and did not take any questions.

In his meeting with Lavrov, Kerry also reiterated the Obama administration's request that Edward J. Snowden, the former security contractor who has fled to Moscow, be returned to the United States. But Kerry said Snowden's fate was not part of Lavrov's "portfolio."

The two diplomats met on the margins of a conference that was hosted by Southeast Asian nations.

Kerry first sought the Kremlin's backing for the Syrian peace conference, to be held in Geneva, during a May trip to Moscow. At that time, Kerry indicated that the gathering, which would bring together the Syrian opposition with representatives of the government of President Bashar Assad, might take place by the end of May.

But the push for the peace conference was almost immediately overtaken by events as the Assad government, drawing on arms supplied by Iran and fighters from Hezbollah, the militant Lebanese group, made gains on the battlefield.

A weakened Syrian opposition faced the prospect of attending a conference to negotiate with representatives of a reinvigorated Assad government. Gen. Salim Idris, the senior rebel commander, said in early June that the opposition would not attend unless the additional arms were sent to the rebels.

Since then, President Barack Obama decided to covertly supply light arms, ammunition and possibly anti-tank weapons to the Syrian opposition, an administration official said last month.

Still, questions remain whether the steps taken by the United States and its partners are sufficient to tilt the military balance in Syria and whether the conference can achieve its main goal of fostering a political transition to a post-Assad government if Assad still believes he can prevail.

# Beijing increases security in Xinjiang after two clashes last week

By Andrew Jacobs and Chris Buckley

THE NEW YORK TIMES

BEIJING — Chinese authorities tightened their grip Tuesday on the far western region of Xinjiang, where two clashes left dozens dead last week, by confiscating knives and offering rewards for information about possible separatist attacks, according to state media

The police also issued arrest warrants for 11 people said to be wanted for murder, bombings and other acts of violence.

The security drive, described by one senior official as a "people's war," has been accompanied by accusations in official media that shadowy extremist groups have orchestrated unrest among Uighurs, a Turkic ethnic group.

One state-run newspaper sought to link an increase in violence in Xinjiang to Uighurs who were said to have trained in warravaged Syria.

On Monday, the newspaper — the Global Times, a populist tabloid owned by the People's Daily, the main newspaper of the Chinese Communist Party — claimed that about 100 Uighurs had gone to Syria to join rebel forces there who are fighting the government of President Bashar Assad.

The newspaper quoted an unidentified Chinese security official as saying that the Uighurs went to Syria to "improve their fighting skills and gain experience in carrying out terror attacks."

Uighur exile groups and experts on the region have rejected government claims that the Xinjiang unrest was the work of foreign-trained militants.

The intense security comes days before the fourth anniversary of ethnic rioting in the regional capital, Urumqi, that killed nearly 200 people. The attacks last week

included an assault Wednesday on a local police station and government offices in Turpan prefecture that left 35 dead, including 11 rioters shot by the police.

Two days later, state media reported a violent confrontation in Hotan prefecture; details remain murky.

In a speech published Tuesday, the Communist Party secretary of Xinjiang, Zhang Chunxian, said officials must "fully grasp that violent terrorist activities have become a real and major threat to stability in Xinjiang," according to *Tianshan Net*, the official Internet news site for Xinjiang.

State media have reported that in the recent bloodshed, rioters were armed with primitive weapons, mostly knives. Many foreign experts have said much of the ethnic violence in Xinjiang is spontaneous and does not show the hallmarks of international planning and support.

# Filial piety, once a virtue in China, is now the law

BEIJING — They are exemplars from folklore that are familiar to Chinese schoolchildren. There is the Confucian disciple who subsisted on wild grass while traveling with sacks of rice to give to his parents. There is the man who worshipped wooden effigies of his parents

But Chinese officials apparently think it is not enough these days to count on tales and parental admonitions to teach children the importance of filial piety, arguably the most treasured of traditional virtues in Chinese society.

The government enacted a law Monday aimed at compelling adult children to visit their aging parents. The law, called "Protection of the Rights and Interests of Elderly People," has nine clauses that lay out the duties of children and their obligation to tend to the "spiritual needs of the elderly."

Children should go home "often" to visit their parents, the law said, and occasionally send them greetings. Companies and work units should give employees enough time off so the employees can make parental visits.

The law was passed in December by the standing committee of the National People's Congress. It does not stipulate any punishments for people who neglect their parents. Nevertheless, that officials felt the need to make filial duty a legal matter is a reflection of the monumental changes taking place throughout Chinese society.

Many aging parents in China, as in other industrialized nations, complain about not seeing their children enough. And the children say the stresses of daily life, especially in the rapidly expanding cities, prevent them from carving out time for their parents.

—Edward Wong, The New York Times

# Japanese utility to seek to restart two nuclear reactors

TOKYO — The operator of the stricken Fukushima Daiichi nuclear power plant said Tuesday that it would ask regulators to allow it to restart two reactors at a separate site in eastern Japan, even as problems with the company's cleanup in Fukushima continue to multiply.

The request by the operator, Tokyo Electric Power Co., is expected to be among a flurry of such appeals from utilities seeking to restart reactors now that the government has approved tougher safety guidelines. The government hopes the regulations will help it overcome deep public concerns about nuclear power and government oversight.

The requests are expected to revive a debate in Japan about the future of nuclear power that has been relatively quiet for months as regulators worked on the new rules. Since the disaster at the Fukushima plant in 2011, only two reactors have been allowed to resume operations in an effort to head off electricity shortages, but the government and supporters of nuclear power say it is critical to the economy that Japan return to relatively cheap nuclear power rather than relying on costly natural gas and coal imports.

Tokyo Electric Power Co., known as TEPCO, said it would soon apply to restart two of the seven reactors at its Kashiwazaki-Kariwa plant, the world's biggest nuclear power station by capacity. That plant, about 140 miles northeast of Tokyo, was not affected by the earthquake and tsunami that wreaked havoc at Fukushima Daiichi, but Kashiwazaki-Kariwa does sit atop fault lines and was damaged in a 2007 quake caused by another fault.

The company says it needs to get the reactors back online to stem the losses it has suffered since the reactor meltdowns at Fukushima.

—Hiroko Tabuchi, The New York Times

# Suicide attack at Afghan base kills at least 9

KABUL, Afghanistan — Five suicide attackers struck a civilian base on the outskirts of the capital, Kabul, early Tuesday, blasting their way into the compound and killing four security guards before the attackers were fatally shot.

The attack took place at 4:30 a.m. when a truck laden with explosives detonated at Camp North Gate, a base about 24 miles from Bagram Air Base that is primarily used to house employees of a military contractor, DynCorp International. Attackers then stormed the compound, but were shot by security officers in the ensuing firefight. Four Nepali guards and one Afghan security guard died in the fighting; five civilians were wounded.

The Taliban claimed responsibility for the attack, the latest in a series of assaults aimed at the capital. Last week, the Taliban launched a sophisticated attack against the presidential palace in Kabul, while insurgents killed as many as 17 people during a June 11 attack on the Supreme Court in Kabul.

With typical flair, a Taliban spokesman, Zabiullah Mujahid, said the insurgents killed 33 people and wounded 44 others, vastly inflating the official casualty count.

The Taliban have kept up the pace of attacks in the capital, refusing to ease the pressure on the government at a time when a bid to restart peace talks has stalled in Doha, Qatar. The Taliban recently opened an office in Doha to facilitate peace talks, but hopes were quickly dashed after they raised their own flag and placed a sign that appeared to suggest that the office was akin to an embassy, infuriating the Afghan leadership.

"This attack has no connection to any peace process whatsoever," Mujahid said in a statement. "We will continue our military operations until our country is liberated from hands of invaders."

Violence has continued apace this summer, exacting a particularly heavy toll among Afghan police officers. The Interior Ministry said 299 officers had been killed from May 10 through June 13. During the same period, 617 police officers were injured.

While it is difficult to know the scale of the increase in Afghan police deaths over previous years (the Interior Ministry said it did not have the data), the increasing casualties come as Afghans have taken greater responsibility for handling security in the country, with coalition forces officially handing over responsibility last month.

—Azam Ahmed, The New York Times



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#### LETTERS TO THE EDITOR

#### The ASA Governance Clause

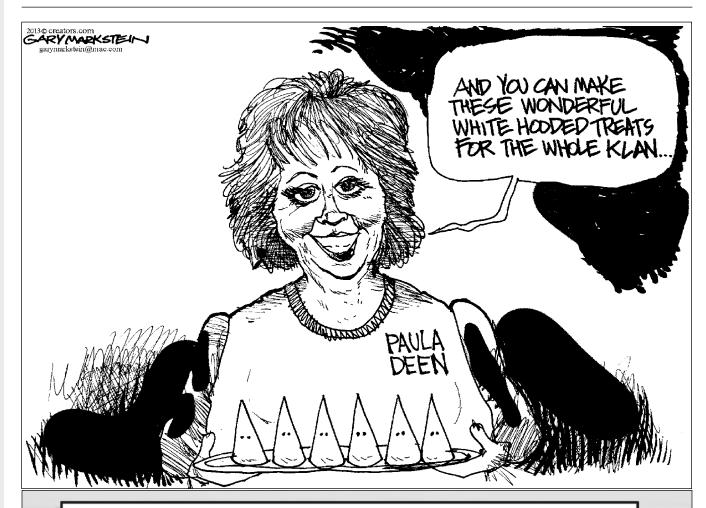
Editor's Note: The following letter provides background in response to a May 3 article on the Association of Student Activities' "Governance Clause." http:// tech.mit.edu/V133/N23/asa.html.

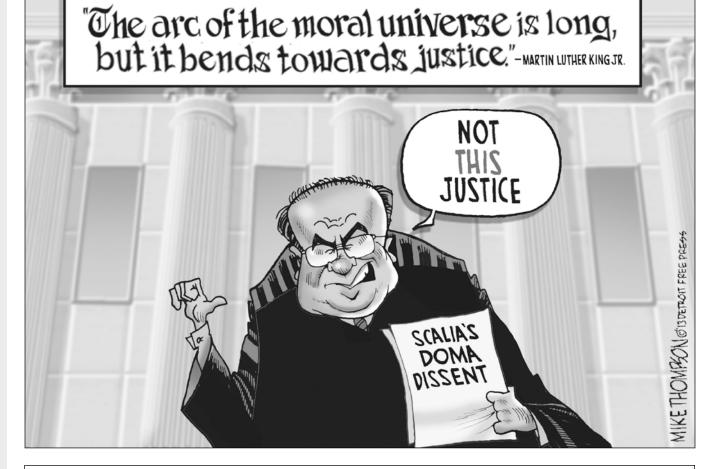
The ASA Governance Clause was included as part of a complete rewrite of the ASA constitution in 1987, during my tenure as ASA president. The then-new

constitution was adopted by a unanimous vote of the ASA general assembly, with more than 100 activities present and voting. The ASA Governance Clause was a recognition of that fact that student activities cannot use the MIT name, operate on the MIT campus, receive MIT student activities funding, or use MIT student activities space without ASA recognition.

The ASA reviews a student activity's constitution as part of the recognition process. Student activities that do not satisfy certain requirements, such as more than half of the voting membership being MIT students, may not be recognized by the ASA. Since continued recognition is contingent on the structure of the student activity's constitution, any changes to that constitution are subject to ASA review. If a student activity changes its constitution in a way that is inconsistent with the ASA rules and regulations, the student activity will lose ASA recognition and all of the privileges that accompany recognition.

Mark Kantrowitz '89 Former ASA President and Volumes 107-108 Business Manager of The Tech





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Wednesday, July 3, 2013 THE TECH 5



by Jorge Cham





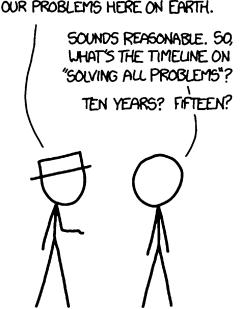




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#### [1232] Realistic Criteria

WE SHOULDN'T BE EXPLORING OTHER PLANETS UNTIL WE'VE SOLVED ALL OUR PROBLEMS HERE ON EARTH.



I'm leaning toward fifteen. There are a lot of them.

BY ZACH WEINER

[3024]

IF A PARASITE STARTED EATING YOUR BRAIN AND VERY SLOWLY REPLACING YOUR MIND WITH ITS BODY YOU WOULD NOT AT ANY POINT IN THE PROCESS REALIZE YOU WERE BEING KILLED



Philosophers are no longer allowed at summer camp.



## **Saturday Stumper** by S.N.

Solution, page 12

A WEBCOMIC OF ROMANCE.

by Randall Munroe

SARCASM, MATH, AND LANGUAGE

#### **ACROSS**

- 1 Literally, "covering"
- 7 Honor
- 15 Pads
- 16 Got around, perhaps
- 17 Cracks
- 18 Edit slightly
- 19 Marketing medium
- 20 Last word of nine verses of 3 Throwing Heat a Kipling poem
- 21 Check
- 22 Radiator parts
- 23 Slip
- 25 Turtle's hangout
- 26 Using hindsight
- 29 He merged with Pepsi in
- 30 Be blustery
- 31 Thing that's spouted
- 35 \_\_ Aquariids (annual meteor shower)
- 36 Application
- 37 Collision by-product
- 38 "Alexander's Feast," e.g.
- 39 Julius Caesar setting
- 41 Safe-lock inventor
- 42 Milk holder
- 43 Dubious creature of rhyme 46 Foreign Legion accessory
- 49 Twisting
- 50 Historical study 51 Promote
- 53 Far \_\_
- 54 Homogenizes, maybe
- 55 Second-shot option
- 57 Second-shot option

- 58 Engage in risky business 59 "Ah!"
- 60 Blue in the face?
- 61 They're just above O
- **DOWN**
- 1 Cop-show fodder
- 2 Opposite of "love"
- autobiographer
- 4 Tell (of)
- 5 Debark?
- 6 The ultimate in priorities
- 7 Primitively
- 8 Slotted for payment
- 9 Spanish Prisoner or pigeon drop
- 10 Cleared
- 11 Cop-show fodder
- 12 Highly sensitive
- 13 2012 Hasty Pudding Woman of the Year
- 14 Forbes' "most powerful pundit"
- 20 High-tech surveillance tool
- 23 Goodyear Blimp promotional products
- 24 Emulating Elizabeth
- 27 Its "final test" is ridicule, per Mencken
- 28 Brown-coat owner
- 32 Predictive quantity, in statistics
- 33 Chicago Hope Emmy winner
- 34 Solvency measure
- 10 12 13 14 5 15 <del>16</del> <u>17</u> 18 19 20 21 22 23 24 25 26 27 28 29 32 33 34 30 35 36 <u>37</u> <u>38</u> 39 40 41 42 43 44 45 46 47 48 <del>49</del> <u>50</u> <u>52</u> 53 54 55 57 56 58 59 60 61
- 37 Contrary
- 40 Luger, for example
- 41 Engaged in wishful thinking
- 44 Symbolize, maybe
- 45 Inscribe
- 46 Routes
- 47 Part of CAT
- 48 Early Betamax supporter
- 52 Rotation candidate
- 54 "The game is never over" sloganeer
- 56 gun
- 57 Splited to allow everything to fit.)

FUNFUNFUNFUN NEUNEUNEUNEUN

6 THE TECH WEDNESDAY, JULY 3, 2013

#### Sudoku

Solution, page 12

	5		7		8			
		3		6				
4				3	1		5	
		8		1		2	<b>5</b>	
	9	5				1	8	
	<b>9 3</b>	1		5		4		
	1		6	7				2
				8		7		
			3		2		1	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

## **Techdoku**

Solution, page 12

2–		15×	30×		
	! ! !			! ! !	
48×			2×		15×
	4-	1 1 1 1	180×		
3		6+	! ! ! !		6
			! ! !		
450×	: :	! ! ! !	2		4
	! !				
	! !	24×		2×	
	! ! !		1 1 1 1		

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

## **Sumo Techdoku**

Solution, page 12

56×	22+	18×	!	8-	2×	22+	!	1 1 1
			10+	<del> </del>		6	<del>-</del>	9
1	<b>-</b>	20×	┨	288×			4-	<u> </u>
1–	<u> </u>		10×		<u> </u>	20+		<del>-</del>
120×			112×		9	<b>-</b>	126×	
2–	<del>-</del>	72×			48×	<b>-</b>	11+	<del>-</del>
	84×		<del>-</del>	5		9×		4
6×	<u> </u>	<del>-</del>	32+			<b>-</b>	5-	<u> </u>
4	┪	8	┨	6		10×		1 1 1 1
			imp and row contain				!	!

THE TECH 7 Wednesday, July 3, 2013

# Backup child care to create safety net for students

#### New David H. Koch Childcare Center expected to benefit faculty more than students

Childcare, from Page 1

ing provided by the provost. The GSC worked through the Office of the Dean of Graduate Education (ODGE) and Dean Christine Ortiz to obtain the additional funding needed from the provost, with support of Chancellor Eric Grimson PhD '80.

#### The GSC and ODGE are in the preliminary stages of planning several solutions to the issue of cost.

According to Simons, the provost "met the gap" between the GSC and Work-Life funds, and the cost of the program. The funding provided by the provost will cover the fixed cost of opting MIT students into the backup child care program, and the GSC funding will be used to subsidize the lower hourly rate.

#### Motivation

The main motivation for the backup child care program comes from 2013 MIT Student Quality of Life Survey, which reported that roughly 10 percent of the graduate student population have children. Even though only 52 percent of graduate students responded to the survey, this number was unexpectedly high — the GSC expected a value closer to seven percent of the graduate student population. In addition, half of graduate students cited family obligations as stressful and 22 percent of graduate students cited child care as stressful.

The GSC claims that these statistics prove that child care at MIT, which is located in one of the most expensive areas in terms of baby-

sitting, is a struggle for many graduate students. Though MIT provides many resources through Technology Childcare Centers, Work-Life Resources 24/7, and help for childbirth, they are still many issues that need to be resolved, particularly pertaining stress and cost.

To tackle these concerns, "one of the more immediate things that could be addressed was this backup child care idea," said Ghassemi. The program would be fast to implement, taking a little over a semester's time to plan. Backup child care services have been offered to faculty and staff for over five years and have received excellent reviews, according Kathy Simons. However, the contract needed to be renegotiated due to the heavily subsidized hourly rate. Compared to the student program, faculty and staff are limited to using the program fifteen days at a higher hourly

'I think that we all had the sense that after the research we did, this is a benefit that many institutions provide their students, specifically because it's such a common need," said Ghassemi.

'Students often just curry favors with one another," noted Simons. "They might ask a friend to take care of their child for a couple hours and then they'll owe them a favor, or they go without sleep or miss a meeting." With this backup child care program, there will be a "safety net" that helps students when there are disruptions to child care.

#### Cost still an issue

Yet, "the backup child care program will by no means help the students in their struggle of finding a regular (day-to-day) child care arrangement," said Anna Häggman, the GSC Family Subcommittee chair. For regular child care arrangements, a trade-off between quality and cost still exists.

While the Office of the Dean of Graduate Education offers the on-campus Technology Childcare Center as day care, the waitlist will take at least two years to exhaust. The Koch Childcare Center, scheduled to open late this summer, will almost double the number space for children, increasing the current 142 spots by 126. Even with the increase, TCCs are still catered towards faculty, with professors and postdoctoral associates receiving priority for new openings.

The common sentiment is that regardless of the availability issue being resolved, price will still be an issue. At its Stata facility, the monthly tuition costs families \$2,334 per toddler. According to Häggman, this price exceeds a graduate student's monthly stipend, making TCC and many other day care centers unaffordable.

are exploring are a needs-based child care grant program, a family day care network, and cooperative childcare. Compared to the backup child care program, these require more funding, time, and planning.

A needs-based child care grant would provide graduate students with funds to help with child care. Given the large amount of funding needed, more time is necessary before anything can be officially implemented.

On the other hand, a family day care network requires more outreach outside of MIT. Family day cares are child care centers based in people's homes, where the rate is often cheaper than institutionalized child care like TCC. The goal is to affiliate these day cares with MIT and offer lower rates and priority to MIT students. However, these day cares around MIT have to be evaluated to ensure that they are high quality, which requires lead time. For comparison, Harvard's Longwood Medical Campus is implelower monthly rate because fewer people have to be hired. However, space needs to be identified and a nonprofit organization for administration needs to be selected. CalTech and Stanford have already implemented similar programs.

If approved, these ideas would significantly reduce the economic burden of child care on students. "I think that the idea of cooperative child care, the idea of a family day care network, the idea of backup child care, and the idea for a needsbased child care grant are part of this entire picture of services that go to fill in the gaps in that community," said Ghassemi.

Even with lots of room for improvement, graduate students and staff are optimistic about future collaboration. The ODGE, responsible for obtaining funding from the provost for the backup child care program, is "strongly committed to supporting graduate families and in the coming year will continue to work closely with the Work-Life Center with input from the GSC-HCA Families sub-committee to carefully evaluate the pilot back-up child care program, as well as to continue to explore other mechanisms of support for our graduate families," wrote Christine Ortiz, Dean of Graduate Education, to The

Members of the GSC-HCA also seem excited about the Institute's child care offerings in the future. "It seems like many universities are realizing that in order to attract talented faculty, they have to create family-friendly policies and benefits," notes Häggman. "Some universities are starting to offer these benefits to students as well, realizing that today's grad students are junior faculty."

#### Even with lots of room for improvement, graduate students and staff are optimistic about future collaboration.

In addition, TCC scholarships for graduate students were phased out in the last several years because of the low number of graduate students with children in TCC. Luckily, these funds will be re-appropriated for use in the new backup child care program, forming part of the funding provided by the Institute.

#### **Potential solutions**

The GSC and ODGE are in the preliminary stages of planning several solutions to the issue of cost. Three proposals that they

menting a family day care network in August 2013. It remains to be seen how this program will influence MIT's choices.

The final idea is starting a larger child care cooperative. MIT already has a child care cooperative at Westgate, but it is relatively small at fifteen students, and geared towards preschoolers. Graduate students, whose schedules are seen as more flexible than those of faculty, would volunteer some their time at a cooperative to take care of the children. This would allow for a

#### **NEWS BRIEFS**

#### Summer FSILG intruders

On Tuesday, Adam Mc-Cready, assistant director of fraternities, sororities, and independent living groups (FSILGs), alerted FSILG officers to an individual attempting to trespass onto FSILGs in the Back Bay. According to McCready's email, the black male, 5'9" and in his 40s-50s, claimed he was told to come to houses to inquire about being a cook. McCready said that Sergeant Cheryl N. Vossmer, of the MIT Police, reported that this is a "common

ruse used by criminals to scope out properties prior to an actual theft ... looking for easy access points."

McCready added that it is common for criminals to enter through first floor windows or windows off of fire escapes, and that AC units and windows should be secured. He advised residents to not confront such individuals but call MIT Police and be attentive to their appearance and escape route.

#### Course 2 head search continues, McKinley named in interim

Engineering Ian A. Waitz gave an updated timeline of the search for a new Course 2 department head. After speaking with the search advisory committee about potential candidates, Dean Waitz anticipated the interview and decision process would extend into mid to late July. Depart-

In an email to MechE stu- ment Head Mary Boyce PhD '87 leaving a gap between her departure and the completion of the search process. To bridge this gap, Dean Waitz asked Associate Head for Research Gareth H. McKinley PhD '81 to step in as interim department head, to which McKinley agreed.

-Alexander C. Bost

#### New housemasters for Sidney-**Pacific and Ashdown**

Graduate dorms Sidney-Pacific and Ashdown will have new housemasters this fall after a search co-chaired by Professors John Ochsendorf and David Mindell PhD '96. The search culminated in the appointment of Professor of Political Science Adam Berinsky and Dr. Deirdre Logan as Ashdown housemasters, and Professor of Mathematics of Operations Research Andreas Schulz and former MIT visiting student and post-

doc Berit Johannes. Berinsky and Logan succeed previous Ashdown housemasters Ann and Terry Orlando whose tenure in both the old Ashdown House (Maseeh Hall) and current Ashdown House spanned 12 years. Schulz and Johannes succeed Roger and Dottie Mark, who have served as the housemasters of Sidney-Pacific since the residence's opening in 2002.

—Alexander C. Bost

## Affirmative action to continue

#### Supreme Court wants closer look at race in admissions

By Leon Lin and Anthony Yu STAFF REPORTERS

On June 24, the Supreme Court sent an affirmative action case back to a lower appeals court in a 7-1 ruling that is unlikely to affect most colleges, including MIT, at least for

Fisher v. University of Texas was one of several high-profile cases on the Supreme Court's docket last term, but its outcome was anticlimactic compared to the landmark rulings on voting rights and gay marriage handed down the same

The plaintiff, Abigail Fisher, a white woman who was denied entrance into the University of Texas at Austin, filed suit in 2008, claiming that the university discriminated against her on the basis of her race. The Supreme Court agreed to hear the case early last year.

The Court, in a 7-1 vote, ordered the Fifth Circuit Court of Appeal to give Fisher another look, since it had failed to apply a standard of "strict scrutiny" to the university's affirmative action policy the first time around.

A diverse student body is a com-

pelling enough reason to justify race-conscious admissions policies, but only if "no workable raceneutral alternatives would produce the educational benefits of diversity," the Court held, citing previous

MIT's admissions office will study the decision to "assure our adherence to the standards articulated by the Court," Chancellor Eric Grimson PhD '80 and Dean for Undergraduate Education Daniel E. Hastings PhD '80 wrote in a letter to the MIT community. MIT considers applicants' race and ethnicity in admissions, but "from time to time we review the need to use race," Dean of Admissions Stu Schmill told The

#### **■** "From time to time we review the need to use race."

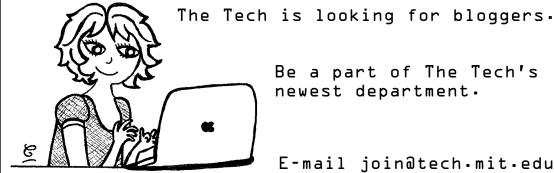
—Stuart Schmill DEAN OF ADMISSIONS

"I understand the Court in Fisher affirmed the principles of Grutter and Bakke, and so it should not affect MIT admissions policy," Schmill said, referring to *Grutter v*.

Bollinger (2003) and Regents of the University of California v. Bakke (1978), earlier affirmative action

Bakke permitted universities to "narrowly tailor" affirmative action policies to achieve a "compelling governmental interest" like diversity, but deemed racial quotas unconstitutional. Grutter found the University of Michigan Law School's affirmative action policy to be narrowly tailored and constitutional. Grutter should not be confused with Gratz v. Bollinger, which found the University of Michigan's undergraduate admissions policy of giving minorities an automatic advantage not narrowly tailored, and therefore in violation of the 14th Amendment.

MIT has actively supported affirmative action. In August 2012, MIT and 13 other institutions, including the 8 Ivy League schools, filed an amicus brief in support of the University of Texas, which admits about a quarter of its undergraduate body through a process that takes into account each applicant's race. The majority of its students are admitted based only on their high school class rankings.



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8 THE TECH Wednesday, July 3, 2013

#### **ALBUM REVIEW**

SARTSARTSARTSAR

# Kanye West's new album saturated with narcissism

Debilitating the music industry is his greatest skill



The CD and case of Kanye West's new album Yeezus.

By Denis Bozic STAFF WRITER

I never understood the Kanye West mania — not because I'm some music snob who does not appreciate rap and hip hop, but because I have enough guts to follow my instincts and speak up when overhyped contemporary music is worthless. I am not a connoisseur of rap music, and I may not be able to recognize all the nuances of hip hop, but when I do listen to these genres, I am certain that I listen to praiseworthy artists. For example, I love OutKast and I think that every bit of their acclaimed success was well deserved. During the summer before my senior year of high school, I spent most of my afternoons listening to The Roots' How I Got Over on repeat. If you play Missy Elliott's "Work It," I will (mostly unsuccessfully) rap along. And, while I am not their greatest fan, I love listening to Q-

Tip, Nas, Mos Def and Talib Kweli when I get a craving for some good beats.

But it hurts me to see Kanye West harvesting so many awards, from the BRITs to the Grammys, and being regarded as a visionary. His new album, Yeezus, bolstered by the critics' lavish praise, is already scraping the skies, but any rational human being should be able to recognize that this album is far from being a masterpiece.

Following the internal voice of his unprecedented ego, West decided to switch up his game on Yeezus by introducing a cacophonous combination of industrial rap, abrasive noise, and an occasional synth beat here and there. What's really sad about this unsuccessful attempt is that it actually has a lot of potential. I am not saying that it could be as good as, let's say, Elvis Presley's or Ella Fitzgerald's music — because it certainly couldn't be - but it has at least some material that could be molded into a listenable album. Nonetheless, West skillfully makes all the wrong moves and delivers aggressive, eartorturing sounds. "I Am A God," possibly the greatest ego-trip anthem, finishes off with West screaming, just after he proudly awards himself with the title of God. I can already foresee all the fans stating that there is hidden symbolism and some uncanny, timeless meaning behind these verses, but what's symbolic about "I just talked to Jesus / He said 'What up Yeezus?' / I said, 'Shit, I'm chilling / Trying to stack these millions?" The heightened metaphor does not stop there; his world-class vehicles of allegorical expression continue to pile up, with the finishing verses saying "I know he the most high / But I am a close high / Mi casa es su casa / That's that cosa nostra." This must be some progressive poetry.

I really wonder how long it took him to produce this album, because all of the tracks sound as if they were purposely produced in the quickest, laziest, and most irritating \*\*\*\*

Yeezus

Kanye West

June 18, 2013

**Def Jam Recordings** 

way. The opening track "On Sight" sounds as if someone chopped off the sounds from a primitive videogame and mashed them together before spicing up the entire gumbo with another set of highly philosophical lyrics: "But I got her back in and put my dick in her mouth."

Now, don't get me wrong; this is not a rant about the music industry and how it deteriorates with each day due to the lack of talented artists, because I think there are some high-quality popular singers who are trying hard to stabilize their status and treat the world with enriching music. The ironic tragedy is that all of these talented young people will never receive the deserved attention as long as West and his ilk keep dominating the charts and receiving universal acclaim, for reasons completely alien to me.

So, if Yeezus is a sign of the music industry reaching open-mindedness and moving forward, then the world would be better off restricting itself to a more conservative taste in music.

#### **MOVIE REVIEW**

# **Turning up the heat**

#### Bullock and McCarthy deliver as comic cop duo

By Kathryn Dere SENIOR EDITOR

The premise of *The Heat* is a simple one an unlikely pair of detectives is forced to team up in order to take down a ring of dangerous drug dealers. With Sandra Bullock playing an FBI agent angling for a promotion, and Melissa McCarthy as a Boston police officer with anger management problems, *The Heat* begins to sound a little too much like Miss Congeniality 2 meets 21 Jump Street. But while the movie is predictable, it is far from stale — director Paul Feig (Bridesmaids) steps back to let Bullock and McCarthy unroll their comedic chemistry.

#### While the movie is predictable, it is far from stale — it's goodcop bad-cop at its

Bullock and McCarthy, as the reluctant partners in law enforcement, foil each other perfectly. Each has her own idiosyncrasies: Sarah Ashburn (Bullock), desperate for a warm body to keep her company, "borrows" her neighbor's cat from time to time; Mullins (McCarthy) uses an armory in her fridge to scare off neighbors who might otherwise try to break into her rundown apartment. And while they are both capable of catching criminals and closing cases, they also fall woefully short in the people-skills department: Ashburn is no nonsense and career driven to the point of arrogance; Mullins is a brash loose cannon who storms around firing streams of profanity-laced threats and verbal abuse at drug dealers and coworkers alike.

When Ashburn and Mullins meet, it's good cop/bad cop at its finest. Clashes are inevitable, and one of the first occurs in the interrogation room. Ashburn sticks to her by-the-book questioning techniques, and when that avenue doesn't look particularly fruitful, an exasperated Mullins uses her own tried-and-true methods: a Russian roulette-style, "I'm going to shoot

you in the balls if you don't start giving me some answers" interrogation. Plenty of other comedic interludes follow - including the power struggle that occurs when both women try to muscle their way through a door at the same time, each unwilling to withdraw and let the other go through first. When the physical clashes wind down and the two finally begin to get used to one another, they share a hilarious drunken night at a seedy bar.

The best part about *The Heat* is that it doesn't try to be a buddy cop film with a generous helping of girl power on the side. It's about two women in the gritty real world, and it's far from glamorous. The closest *The Heat* gets to a makeover scene occurs during an undercover operation, when Mullins drags Ashburn into a nightclub bathroom to try to make her blend in with the clientele. Mullins takes scissors to Ashburn's ill-fitting suit and

old-lady button-up shirt, only to reveal a pair of Spanx. It's a merciless reality check for Ashburn, as what little of her remaining dignity quickly disappears. "They hold everything together!" she says helplessly, in response to Mullins' incredulous reaction. (Mullins, on the other hand, with her fingerless leather gloves and baggy sweatpants, states that she doesn't need to change her outfit to blend in at the nightclub. She's got moves.)

The Heat is unabashedly about extremes, and it delivers to the audience time and again. There's that bloodspurting emergency tracheotomy that Ashburn unwisely tries to carry out, for one. And later on in the movie, there is a cringe-worthy scene involving an oystershucking knife stuck in Ashburn's thigh. Supporting characters are also brilliant, with especially enjoyable performances from Mullins' loud, slightly dysfunctional **★★★☆** 

The Heat

**Directed by Paul Feig** 

Starring Sandra Bullock and **Melissa McCarthy** 

Rated R

**Now Playing** 

If over-the-top action-comedy is what you're after, then The Heat is a must-see movie of the summer. Bullock and Mc-Carthy are in top form, and their romp through Boston provides the ideal ingredients for 117 minutes of escapism.



Another night chasing the bad guys for ill-matched partners FBI Special Agent Sarah Ashburn (Sandra Bullock) and Boston Detective Shannon Mullins (Melissa McCarthy) in The Heat.

Wednesday, July 3, 2013



Lauren Mayberry, lain Cook, and Martin Doherty of Chvrches performed at Paradise Rock Club on June 16.

#### CONCERT REVIEW

# **CHVRCHES** and Still Corners

Two UK bands visit Boston as a part of their US tour

By Denis Bozic

The Scottish synth-pop band Chvrches (usually stylized as CHVRCHES) released their first EP *Recover* this March to very positive reviews, and just recently embarked on their first U.S. tour. Taking the London-based musical project Still Corners along with them, the band paid Boston a visit last month to play some of their acclaimed songs and present forthcoming album material.

Still Corners, a four-member heavybeat dream-pop project, opened for the headlining band with a compellingly introverted and mysterious performance. Without much introduction to their songs, the band played a couple of their drowsy tracks, which sounded even more hypnotic than their album counterparts. The entrancing performance was also accompanied by an on-stage video screen, which featured a range of clips: ballet moves, fading faces, and seemingly random movie shots. Tessa Murray, the band's vocalist, delivered much of their stage magic. With a glittery jacket, lulling vocals, and an endearingly modest attitude, she thanked the audience for coming early to the concert to see the Chvrches' opening act.

Chvrches took over the stage soon afterwards. The band's lead vocalist, Lauren Mayberry, managed to keep the concert an entertaining amalgam of synth melodies and charming storytelling. Taking a moment between each song to elicit laughter and cultivate a friendly atmosphere in the

audience, Mayberry explained her dance moves and spontaneously threw in funny commentary. She confessed that she had never been to Boston before and that she had only heard about it in the movies and other stories. Just like Tessa from Still Corners, she was miles away from being arrogantly proud of their growing popularity with a smile, she said that she was surprised there were so many people in the audience who were not related to the band members. Most of the music performed throughout the night was upcoming and unreleased material, but the band also performed some of their earlier-known tracks, including "Recover" and "The Mother We Share."

Still Corners' sophomore album *Strange Pleasures* was released in May, and Chvrches' first full-length album, *The Bones* 

#### **CHVRCHES**

Opening Act: Still Corners 8:00 p.m., Sunday, June 16, 2013

Paradise Rock Club, Boston

of What You Believe, will be released in the U.S. on Sept. 24. The bands are returning to Europe soon, where Chvrches will perform as an opening act for some of the shows in Depeche Mode's The Delta Machine Tour. Mayberry said that the band will return to the U.S. very soon, so hopefully we'll see more of these friendly performers in the near future.

Be a restaurant critic.

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Fine dining. On The Tech.

10 THE TECH Wednesday, July 3, 2013

# Undergraduates react to planned dorm squeeze

#### Humphreys: unique furniture exempts Simmons from housing extra students next year

Dorms, from Page 1

arose when Housing originally asked EC for 41 additional beds. "The immediate situation has been resolved to our satisfaction," Grinberg stated.

According to Humphreys, Maseeh, Senior House, and Random Hall were exempt from the increased occupancy changes because they are already at maximum capacity. MacGregor was not considered because the only way to increase the number of residents would be to alter the lounges, which was seen as a last resort. Likewise, Simmons was spared because of "the unique configuration of the building and the rooms."

"When Simmons was built, it used the same manufacturer for furniture that we use for our other buildings, which is not the same size or design as we use in other [dorm] buildings," explained Humphreys. "It is a specific type, and we can't just swap out furniture." The furniture, said Humphreys, is not "bunkable." In any case, Humphreys believed trying to increase occupancy in Simmons would

when planning for dorm sizes next

In response to these changes, students have expressed criticism with the decision to increase the number of residents in their dorms. Baker resident Isaac F. Silberberg '16 lived in a double his freshman

require more time than they had and former housing chair Lucas A. Orona '14 did not take the news with enthusiasm, citing the harmful effects of overcrowding. Orona said he lived in a forced triple his freshman year, but moved out as soon as he could because of the lack of space and the annoyance of the top

#### While the majority of the changes resulted from Bexley closing, increased undergraduate enrollment also played a role over the years.

year. Silberberg said he was frustrated that the addition of Baker's RLAD (Residential Life Area Director) removed six beds, a quad, and two singles, while the GRT count stayed the same.

"It was very nice with two people, and while it probably could hold three, it would be very cramped," Silberberg said. "However, it's unconscionable that the administration would force residents to live in forced rooms while giving an RLAD over 600 desirable square feet of living space to perform a function that Baker already has an extra GRT for."

Similarly, New House resident

"It hurts dorm cultures to have forced rooms because freshmen understandably don't want to get stuffed like sardines into rooms and pick a living situation based on space rather than what culture best suits them," said Orona. "Spreading forced rooms across dorms while

den on a single dorm." Based on his freshman year experiences, Orona predicted a lower dorm retention rate for students in forced triples, and for dorms like MacGregor and Simmons to be es-

taking into account room sizes is

the fairest way to distribute forced

rooms rather than placing the bur-

pecially popular.

On the other hand, New House resident Matthew J. Davis '16 said his experience living in a triple was "not too bad" because he was able to bond with his roommates.

"That being said, our room was a natural triple and was therefore very large, with plenty of room moreover, I was in the great living community of International Development House," stated Davis. "This is very different from the increased triples our residents will face, and therefore I do not think it is fair to compare my experience to others. I imagine it to be much worse. I found private, quiet time in the libraries or in other places. Ultimately, it was a rewarding experience."

#### Trying to increase occupancy in Simmons would require more time.

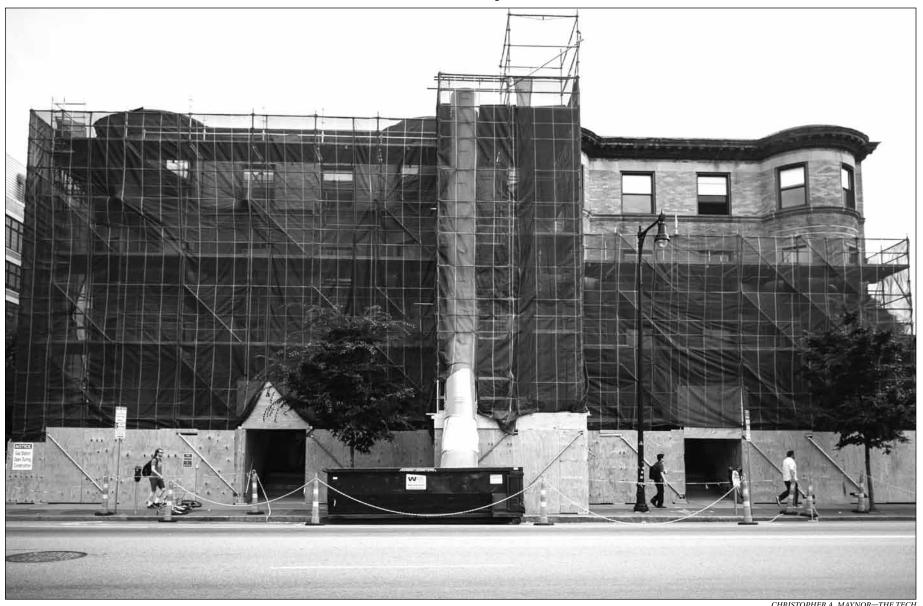
While the majority of the changes resulted from the Bexley incident this year, MIT's increased undergraduate enrollment has also played a role over the years, commented Stewart.

'The situation is going to go back to how it was in the mid-1990s, which the housemasters at the time were pretty clear about being intolerable," Stewart reflected. "So, that's unfortunate. However, given that we have to live with an unfortunate situation. I think the decisions made about distributing the burdens have been about as fair as they can be. We're all trying to make the best of a bad situation."

In this aspect, Humphreys noted that all occupancy increases were within state codes for sanitation, occupancy, and any fire hazards. Davis also added, "We will make the best of our situation and put forth our greatest efforts to ensure the highest quality residential experience for all of our residents."

Humphreys praised the work done by everyone involved in the project. "The room assignment chairs and the housemasters have been great partners to work with throughout this whole Bexley situation," Humphreys commented. "They really, really have been fantastic."

#### Random Hall's front facade scaffolded in order to repair loose bricks



CHRISTOPHER A. MAYNOR-THE TECH

Since loose bricks were discovered on Random Hall's front facade in March, scaffolding has been erected in order to make repairs to the MIT dormitory on Massachusetts Avenue. The building will be closed for the whole summer, but is scheduled to reopen for the fall semester.

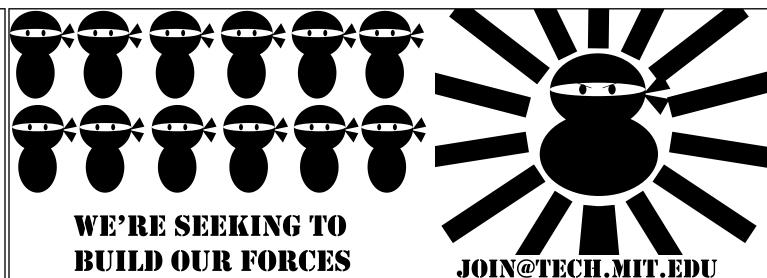
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Wednesday, July 3, 2013

The Tech 11

# Boston bombing suspect is indicted on 30 counts

Tsarnaev to face life in prison or death penalty if found guilty on 17 federal charges

By Katharine Q. Seelye and Michael S. Schmidt

THE NEW YORK TIMES

BOSTON — A federal grand jury here issued a 30-count indictment on June 27 against Dzhokhar Tsarnaev, the surviving Boston Marathon bombing suspect, charging him with using a weapon of mass destruction that killed three people and injured more than 260.

The grand jury also charged him in the killing of a Massachusetts Institute of Technology police officer, from whom he and his brother, Tamerlan, tried to steal a firearm, the authorities said, before they led police officers on a wild night of terror and a shootout that shut down the city of Boston and its suburbs for a day.

Dzhokhar Tsarnaev, 19, faces life in prison or the death penalty on 17 of the federal charges and is scheduled to be arraigned July 10. His brother was killed by injuries sustained in the shootout with police and when Dzhokhar accidentally drove over him in a car, the indictment said.

In addition to the federal indictment, Tsarnaev was indicted by a Middlesex County grand jury on more than a dozen criminal charges, including murder for the shooting death of Sean Collier, the MIT police officer. The county in-

dictment covers a carjacking, chase and shootout that occurred in the Boston suburbs beginning the night of April 18; the federal indictment, which runs 74 pages, covers events that led up to the bombings on April 15 as well as the bombings and the subsequent chase and shootout. tomatic handgun, ammunition, a machete and a hunting knife. It is not clear which items the brothers still had in their possession as the police closed in.

The indictment also included the words that Dzhokhar Tsarnaev had scrawled on the inside of a

# The federal indictment gives the most detailed narrative so far of the brothers' alleged actions.

District Attorney Marian T. Ryan of Middlesex County said at an afternoon news conference that no date had been set for Tsarnaev to appear in court on the county charges and that any trial would not run concurrently with a federal trial.

Carmen J. Ortiz, the U.S. attorney who outlined the charges for the news media, said she had met with relatives of the victims and with those who were wounded.

"Their strength is extraordinary, and we will do everything that we can to pursue justice not only on their behalf but on behalf of all of us." she said.

The federal indictment gives the most detailed narrative so far of the brothers' alleged actions. On the night of the chase, it said, they were armed with five improvised explosive devices, a Ruger P95 semiau-

dry-docked boat where he was hiding, giving hints about his motives. Among the phrases he wrote were: "The U.S. government is killing our innocent civilians"; "I can't stand to see such evil go unpunished"; "We Muslims are one body, you hurt one you hurt us all"; and "Stop killing our innocent people and we will

Ortiz declined to elaborate on their motives, saying the bombings were "perhaps a protest against what they viewed as actions by the United States in foreign countries."

The federal indictment said that the brothers had built the two explosive devices that they detonated at the marathon using pressure cookers, explosive powder, shrapnel, adhesives and other items "designed to shred skin, shatter bone, and cause extreme pain and suffering, as well as death.

It also said Dzhokhar Tsarnaev had contributed to his brother's death. After the two tried to "shoot, bomb and kill" the officers who were trying to apprehend them, it said, Tamerlan Tsarnaev was tackled to the ground by three police officers.

At that point, the indictment said, Dzhokhar Tsarnaev, driving a Mercedes SUV that they had carjacked,

# Tsarnaev was indicted on more than a dozen criminal charges, including murder for the shooting death of MIT police officer

Tsarnaev also wrote that he did not "like killing innocent people," because "it is forbidden in Islam." But he suggested that because of what had been done to Muslims, such violence "is allowed."

Sean Collier.

drove directly at three police officers who were trying to drag Tamerlan to safety. He barely missed one of the officers but ran over Tamerlan, "seriously injuring him and contributing to his death."

After Tsarnaev drove over his brother, he struck a Massachusetts Bay Transportation Authority officer as he tried to speed away, seriously injuring him. Tsarnaev then abandoned the vehicle, smashed both of his cellphones and hid in the boat. The indictment listed books and materials that Tsarnaev downloaded that might have influenced his beliefs and taught him how to assemble the bombs. The authorities said that he had downloaded a digital copy of a book that had a foreword written by Anwar al-Awlaki, the American-born Oaida leader whom the United States killed in a 2011 drone strike. The book "directs Muslims not to give their allegiance to governments that invade Muslim lands," the authorities said.

Tsarnaev also downloaded a publication that called for Muslims to use violence "to terrorize the perceived enemies of Islam, among other things."

The indictments came as Bostonians were obsessed with two other criminal cases. They were announced in the federal courthouse where James "Whitey" Bulger, a notorious Boston crime figure, was on trial for his role in 19 murders and on a day when Aaron Hernandez, a former New England Patriots tight end, was charged with murdering a friend.

Susie: Hey Ethan!

Ethan: What's up?

Susie: I'm looking for a job on campus. Do you have any ideas? I like programming and computers.

Ethan: You should join the technology department at The Tech! We pay \$14/hr.

Ethan: You get to learn valuable job skills too!

Susie: Cool, but what if I don't know that much yet?

Ethan: We've got people who can help you out.



Ethan: E-mail join@tech.mit.edu and we'll send you more info!

according to Mazen. "There has to be a clear plan for how these parks

are going to be interconnected, for how they are going to bring benefits

to the community, and for how this

exchange of green space for height is

going to work." He cites the Osborn

Triangle in Central Square as a good start to increase the open space in

Additionally, Mazen would like the city to make more spaces avail-

able for the arts and technology.

He wants to create a 20-year plan to

advance entrepreneurship and arts

in Cambridge, and he cites Boulder,

Austin, and San Francisco as a good

examples for Cambridge to follow

because of the large numbers of

startups in those cities and their ac-

opportunities for K-12 students in Cambridge is also on Mazen's agen-

da. He says the city council can work

with the Cambridge Housing Au-

thority to establish a maker space in

Cambridge and provide connections

for after-school or summer internships with local professionals. "Given

that there are so many geniuses per

student in Cambridge, we're lucky,"

he said. "And what's more, a lot of

them want to be educators or have

an interest in giving back to the com-

munity and we're just not creating

the mayor of Malden, in particular

for his ability to connect with his

constituents. "It's important to take

care of individual issues, and it's kind

of a lost art. "When Mazen started

one of his businesses, he had to wait

a month to handle signage ordi-

nances, so he sees helping residents

with individual issues, such as small

business problems or local adjudica-

tion problems, as an important role

for a city councillor. Leland Cheung,

who is excited about the potential of

having another MIT alumnus on the council, notes that, in his own expe-

rience, members of the MIT com-

munity reach out to him in particular because of the shared connection. This past weekend, Mazen and volunteers for his campaign filmed

200 interviews with Cambridge residents about what makes them happy about Cambridge and what they want to change. The videos will be

uploaded on an interactive map of the city, which will be unveiled at the official Mazen campaign kickoff on

Saturday, July 13, 3-5 p.m. at Zuzu in

He admires Gary Christenson,

Improving the free mentorship

tive art scenes.

that connection."

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# Mazen has eye on space for arts, tech

#### Affordable housing, more K-12 mentorship on alum's agenda

Mazen, from Page 1

who will be affected by decisions to give them easier entry into public meetings.

Mazen explained that his MIT education has led him to take an analytical approach to city planning. A good start, he says, is the Red Ribbon Commission, which was convened by the mayor in June 2010 to write a report on Central Square.. But Mazen hopes to encourage more analytical work on these issues.

Several issues that Mazen would like to address are particularly relevant to the MIT community, such as increasing the amount of middle-income and affordable housing available in Cambridge. "It's difficult as a world class researcher to come to MIT and stay close enough to your work and still afford an apartment," he told *The Tech*. He explains that the  $lack\, of\, affordable\, graduate\, housing\, at$ MIT puts pressure on the number of apartments available in Cambridge, which currently has a vacancy rate of only one percent. This drives up the cost of rent for graduate students and longtime residents alike.

Mazen argues that the city council must also do its part by paying close attention to the development plans for Central and Kendall. "It looks like there is going to be little to no affordable housing in Kendall Square, and that ... the bulk of the workers that come into that space ... will be coming into developments in Central." He emphasizes the need to find solutions for developers that work not only politically but also financially. Federal housing subsidies do not exist for middle-income housing developments, but Mazen says the math still shows that developers can make a profit from them.

Development must be balanced by the preservation of the character of the squares around Cambridge,

#### Solution to Techdoku

from page 5

4	2	3	5	6	1
6	4	5	1	2	3
2	6	1	3	4	5
3	1	2	4	5	6
1	5	6	2	3	4
5	3	4	6	1	2

#### **Solution to Crossword**

ABODES SOLVES TOOKACAB FINETUNE EMAIL DIN DETER FINS ERROR NEST INRETROSPECT LAYRANTGASCAN ETALUSE BAM ODE SENATE YALE VAT THREELLLLAMA SASHESNAKYERAS EXALT CRY STIRS
NINEIRON RETAKE
DAYTRADE IGETIT

SLOEEYED

SMBC, from Page 5



#### Solution to Sumo Techdoku

Central Square.

from page 5

				,	5 -			
7	6	2	3	9	1	5	4	8
8	7	3	4	1	2	6	5	9
1	9	5				8	7	2
9	8	4	5	2	3	7	6	1
6	5	1	2	8	9	4	3	7
5	4	9	1	7	8	3	2	6
3	2	7	8	5	6	1	9	4
2	1	6	7	4	5	9	8	3
4	3	8	9	6	7	2	1	5

#### Solution to Sudoku

# **Supporting grad student families**

GSC and Institute offices launch child care assistance pilot program for students

By Anna Häggman, Marzyeh Ghassemi, Aalap Dighe, and Brian Spatocco

"In the United States and Europe, around half of those who gain doctoral degrees in science and engineering are female — but barely one-fifth of full professors are women. Women are not invited in significant numbers to sit on the scientific advisory boards of start-up companies. A scientific conference at which half of the keynote speakers are women stands out simply because of that. Why has progress stalled? Child care is one major factor that blocks the career of many women."

- Nature 495, 5 (March 7, 2013)

Although nearly 600 graduate students at MIT have children, according to the results from the recently completed quality of life survey, finding reliable and high quality child care at MIT or the surrounding Cambridge area is extremely challenging. Local child care centers, like MIT's affiliated TCC sites, have waitlists longer than 2 years and commonly charge monthly tuition of up to \$2,500 per child for infant care. This translates to getting on a list 24 months prior to birth and saving an entire year's worth of stipend to accommodate a new family member.

#### In order to recruit and support the most talented students, universities need to offer family-friendly policies and benefits.

Availability and price are not the only challenges with Cambridge-area child care. Being a graduate student at MIT is not a 9-to-5 job, and many academic responsibilities, like research experiments, recitations, and project meetings, occur after business hours. More often than not, the ongoing child care arrangements cannot accommodate these irregular hours, putting strain on graduate families. This is all in addition to

the common interruptions that all families experience in their regular child care arrangements, such as the sudden illness of their child or their child's caretaker. Having access to affordable, high-quality short-term child care is an essential first step in addressing the graduate students' need for child care support.

#### **Competitiveness and Peer Models**

In the same way that companies attract employees and academia courts faculty with child care benefits, an increasing number of our peer institutions have realized that in order to recruit and support the most talented students, regardless of whether they have children or not, universities need to offer family-friendly policies and benefits.

One important example of family-friendly policies is paid maternity leave — MIT offers this benefit for students through the Office of the Dean for Graduate Education. MIT also provides numerous parenting support groups, like Spouses&Partners@ MIT, and informational resources, like Work-Life Resources 24/7, for graduate families. In spite of these support structures, there is still much more that could be done to make child care options affordable and accessible to MIT student parents, and looking at a number of our peers can provide ideas for different approaches to solving this challenging issue.

Some examples include portable child care grants (up to \$5000 annually per child at Princeton); heavily subsidized back-up child care programs (up to 100 hours at the rate of \$2-\$6 per hour at Princeton and Columbia); paternity leave for male graduate students (6 weeks at Northeastern); low cost and high quality parent-teacher run co-operative child care centers that prioritize student parents in enrollment (Stanford and Caltech); a network of family day care providers (recruited and trained by University of Michigan), who give priority to affiliates of the university; and equal priority in enrollment given to students and faculty in some of the universities' affiliated child care centers (Stanford, Harvard and Yale). In addition to the above, a number of our peers, like Berkeley, Caltech, University of Michigan, and University of Pennsylva-

nia, have child care grants ranging from \$2500 up to \$8000 per child available for low-income students eligible for FAFSA. Most recently, Brown University has announced a pilot program for the 2013-2014 academic year to provide child care subsidies of up to \$4000 per family on a sliding scale based on income. This benefit will be available for employees and students. In a recent university announcement on June 12, the university's provost, Mark Schlissel, articulated the reasoning behind creating this benefit: "Offering an income-adjusted child care subsidy aligns with our commitment to being an employer of choice, and acknowledges the needs of families with young children."

Though no university does it perfectly, the trend around the country is to support and de-stigmatize the family unit within universities — regardless of gender, nationality, or position within the university.

# We are excited that this child care program might be the start of a new way of thinking at MIT.

#### The GSC heard you

The Graduate Student Council (GSC) has long acknowledged the urgency and complexity of the problem with a lack of affordable Cambridge-area child care options, and we felt it was critical that we begin addressing these issues in a concrete way.

On April 3, the GSC passed a historic resolution to use approximately \$38,000 of its own budget to create a new Family Child Care Fund, which aims to bring affordable short-term child care to graduate students. The MIT Work-Life Center and the Office of the Provost, with the support of the Office of the Dean for Graduate Education and the Office of the Chancellor, contributed additional financial resources to the creation of a new pilot program to provide access to affordable backup child care for student parents.

This pilot program, launched on July 1,

2013, will be re-evaluated for continuation after one year. It will allow all MIT students with children to receive access to short-term child care through free membership in the Parents in a Pinch in-home back-up child care service at a rate of \$5 per hour (subsidized from the current market rate for back-up child care of \$15-\$25 per hour, plus several hundreds of dollars in placement and membership fees).

The goal of this program is two-fold: first, we hope it will create a safety net for students with families when they need child care during emergencies; and second, we hope students can use this service to participate more in planned activities like academic conferences, as well as graduate community life. We hope it will help many families achieve a better work-life balance and reduce some of the stress and anxiety related to balancing work duties with the responsibilities of being a parent.

We would like to thank Kathy Simons, Dean Christine Ortiz, Chancellor Eric Grimson and Provost Chris Kaiser for helping make this program a reality. Finally, we want to acknowledge the incredible patience and grace that our graduate students with children have demonstrated in the long push for improved services. Your silent perseverance has made all of this truly possible.

#### A new way of thinking

We are very excited about the formation of this child care program, but we are even more excited that this might be the start of a new way of thinking at MIT — that choosing to have a family while in graduate school is a lifestyle choice that is supported as much by our community as by any other. We believe that this step by the GSC and the Institute helps strengthen the "one MIT" vision delivered by President L. Rafael Reif, and we commend the Institute for taking a step in this progressive new direction.

Questions or comments? Please email gsc-hca-family-chair@mit.edu.

Anna Häggman is the GSC Families Subcommittee chair; Marzyeh Ghassemi is the GSC Housing & Community Affairs chair; Alap Dighe was the GSC 2012-2013 vicepresident; and Brian Spatocco was the 2012-2013 GSC president.

THE SECRET LIFE OF RESEARCHERS

# Flying monkeys, hedgehogs, and castles, oh my!

A graduate student's experimentation with relaxation and fun

By Emily A. Moberg

I originally wanted this article to show that graduate students can kick back, relax, and stave off the insanity that is just a stone's throw away from the genius we all aspire to achieve. However, as I wrote the title, I realized this may actually convince you of the opposite, that graduate school does in fact drive graduate students off the deep end. So, throwing caution to the wind, I am sharing two tales of the silly,

the frivolous, and the fun that I've experi

#### Tale one

enced this summer.

Once upon a time, when I was a wee lass — a high-schooler — I used to dance. I would feel the music fill me up from the tips of my toes to the ends of my fingers to the peak of my nose. I would move to the music and everything would be forgotten as I danced and sweated all my worries away. Once I started graduate school, I reasoned that I needed a good athletic activity to keep the endorphins flowing and my brain functioning at top capacity.

What I found after taking classes at the New England Ballet Theatre is that the free, happy feeling I used to get while dancing still fills me instantaneously when I dance, and I can't help but smile while I twirl around the room. I also found out how great it is to be a part of another community and to interact with people who don't necessarily love science like I do; we get to share our ideas and passions and learn from each other.

#### I think ballet has made me a better researcher and happier human being.

The exciting part of this story is that I get to pretend I'm 18 or 5 or 10 again and dance my heart out in our spring recital, *The Wizard of Oz.* While I get to live up to my nickname of Big Emily (the younger, and much taller Emily, had claimed Little Emily already) as Auntie Em, I also get to be an evil, flying monkey who dances her evil heart out with joy at getting to deliver the nasty Dorothy to her beloved Wicked Witch (I try to stay in character as much as possible). When I leave rehearsals, I am a gross, sweaty mess, and I feel so pumped and ready to re-tackle my research. While

there, I get to be a part of another family — not my MIT family, not my lab family, not my biological family, not my undergraduate family — but my ballet family. Sometimes I get to share with them the science that I love; a few weeks ago I explained how pressure works and how being on pointe increases the pressure on your toes relative to that felt while walking. Sometimes they teach me that I should be trying harder or that I should laugh more often. I take these lessons back with me to work and I think it's made me a better researcher and happier human being.

#### Tale two

There once was a graduate student who moved to Cape Cod who wanted a new friend. So she adopted a pet hedgehog, who turned out to be a princess (seriously, she refuses to eat food that has crumbled at all and makes huffing noises if you don't move out of her way — and she always want to move in the direction that you're in). This hedgehog filled a tiny, prickly void in her heart that she never knew existed. The graduate student got lots of (slightly spiky) cuddles, several overloads of cuteness, and a prickly pal. In return, this student has showered her hedgehog with fun toys: a ball pit, a mini-garden, and lots of games

of hide-and-seek and dead crickets (her favorite snack). But on her first birthday, she got a special surprise — her very own castle! Her castle is made of pink fleece (her favorite fabric) with six stories that she can climb between (because climbing in fabric is a natural hedgehog instinct).

Surprise: this story is about me and my beloved Amelia Rose. For her birthday, I had a tea party, replete with human and hedgie cake (hers was make of chicken and crickets) and lots of fancy teas. While she spent most of her time in her new castle, got to spend some time sampling fancy teas and enjoying my friends' company and complaints that I fed them too many cupcakes and cookies ("Is it even safe to drive with this much sugar in my system!?!"). It was a nice reminder that we graduate students can be frivolous, be silly, and above all, never abandon our snobbery for our tea and coffee. It was also nice to know that my obsession with my hedgehog hasn't escalated to the point where I can no longer talk to non-spiked creatures.

I hope this doesn't totally destroy your vision of graduate students working late at night, burning the midnight oil to further the noble cause of science and discovery; we do that too. It's just that sometimes we act like little kids on the side.

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def learnMarketableJobSkills(): return linux, OSX, javascript, applescript, perl, python, PHP

if self.interest == True:
 print "E-mail join@tech.mit.edu"

---:---F1 joinTechno.py

(Python)--L1--Top

#### **STRANGER THAN FICTION**

## Missed beats

#### Catching up with the classics via Gorillaz

By Deena Wang

ASSOCIATE CAMPUS LIFE EDITOR

My history with music reads like an I Saw You MIT post. "I heard you, ten second music video clip of 'Feel Good, Inc.' on a TV commercial." "I heard you, midi version of 'Diary of a Madman' on a web 1.0 Johnny the Homicidal Maniac fansite." Yet it was only recently that I started explicitly looking for new and classic bands to listen to, and educating myself in good music.

Growing up was a strange contradiction of musical deprivation and enrichment. Like all good Asian children, I learned how to play the piano, but it was always in a kind of rote manner, no deviations from the written classical canon sheet music. The sum total of my musical library was a pop-song medley, The Phantom of the Opera, and random Chinese hits from the 80s, all courtesy of my father's business trips to China. Not being American, my parents didn't have stacks of Led Zeppelin LPs for me to listen to, and somehow, I got the impression that rock music all sounded the same.

#### I avidly read their magazine interviews, to get more delicious character development

What songs I did acquire were obtained almost through happenstance. I followed the LiveJournals of people who posted mp3s. I downloaded a bunch of video game music from OCRemix, since it was all free. I found vocaloids, and eagerly ripped their vocoder-esque songs from nicovideo, the Japanese equivalent of YouTube. But that limited musical repertoire was like a diet of fluff and candy, with no steak or vegetables.

I knew I was lacking a proper grounding in popular music, so when I came to MIT to get educated, I also tried to auditorily educate myself in the vein of Senior House, which was mostly an injection of punk rock. Yet, there's something tedious about grabbing a bunch of random CDs and forcing myself to listen through it. Because

of that, I abandoned my quest in favor of more productive things, like learning how to computer.

Fast forward several years to a boring spring vacation day. On a whim, I decide to look up some music, which leads me to a music video featuring windmills, a curious mixture of rap and rock, and gyrating hips. It was the perfect mix of music and intriguing fictional personalities. Thus a new Gorillaz fan was born.

I was kicking myself for not having discovered their music earlier. I could have gone to concerts! I could have seen their Webby-winning website before it was replaced by new content! There would have been people on LiveJournal eagerly discussing the newest developments. Entering a dead fandom is like arriving late to a party and finding out that all the guests have died.

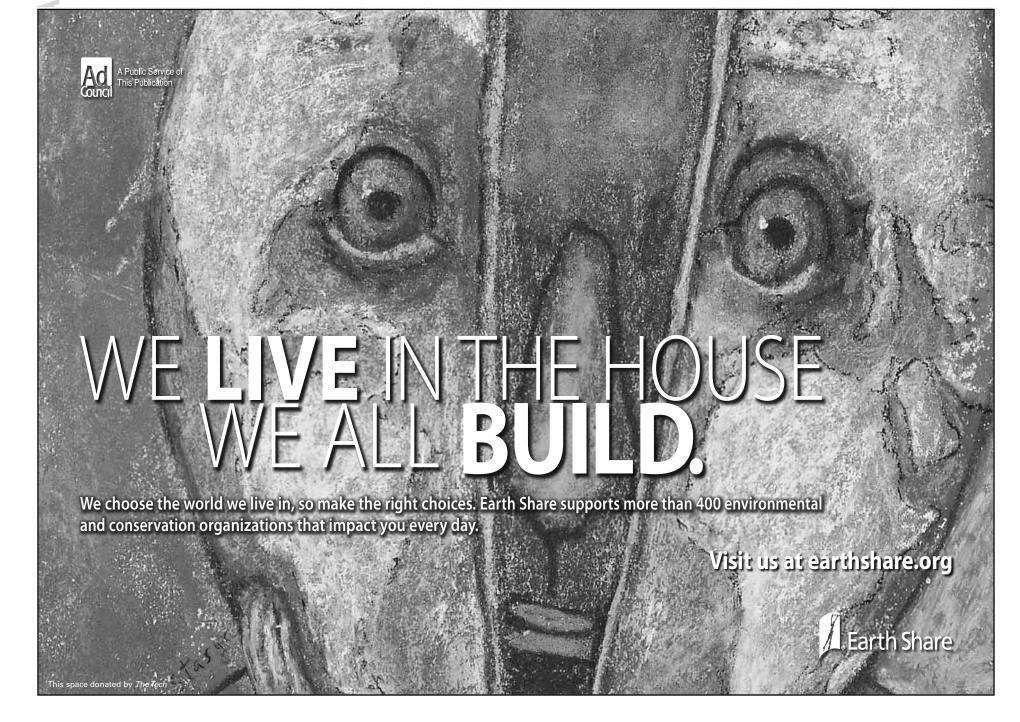
After jamming their music into my ears as fast as possible, I went through videos, concerts, and articles, all to learn as much about the four intriguing characters as much as possible. I avidly read their magazine interviews, to get more delicious character development. However, their interviews were like a foreign language to me, full of references to people and styles I had never heard of. Who the heck was "Sergeant Pepper"?

Trying to pick apart the various cultural influences of the music of the Gorillaz led me to listen to the bands they referenced, just so I could know what was going on when they said stuff like "Howard Devotoesque riff and a distinctly JG Ballard backbeat." But somehow, this time, it wasn't so much a chore. I found myself enjoying punk rock (and not just because Murdoc, the bassist of Gorillaz, favors The Clash). Perhaps the fumes of Senior House have finally percolated into my brain. Perhaps I have grown tired of the boxed-in future, and I'm feeling the rebellion — "He's in love with Janie Jones, woah / But he don't like his boring job, no."

Damion Albarn, one of the duo behind Gorillaz, once said that his motivation for the project was to introduce the younger generation to the great classic bands he enjoyed growing up. At the very least, he was successful in converting one person.



DEENA WANG-THE TECH





# Nadal and Federer lose in early days of Wimbledon

Djokovic and Murray advance

By Nidharshan Anandasivam SPORTS WRITER

Rafael Nadal of Spain entered Wimbledon 2013 with great confidence after winning his recordsetting eighth French Open title at Roland Garros, having defeated top-seeded Novak Djokovic in a grind-out five-setter in the semifinals. Nadal suffered from a partially torn patellar tendon during the middle of 2012, which caused him to withdraw from the 2012 London Olympic Games and stay sidelined for nearly a year after his second round loss at Wimbledon 2012. Despite this long hiatus, Nadal returned and displayed a championship performance during this year's French Open. However, the fifthseeded Nadal did not have as much luck last week during his Wimbledon first round match against Belgian Steve Darcis, who is currently ranked 135th in the world. Darcis upset Nadal in a tight three sets (7-6 (4), 7-6 (8), 6-4) to advance to the second round.

Swiss sensation and defending Wimbledon champion Roger Federer, who sports the most Grand Slams in tennis history with 17, including seven Wimbledon titles, breezed through his first round match against Romanian Victor Hanescu in straight sets (6-3, 6-2, 6-0), putting away 32 winners compared to Hanescu's 14. However, Ukrainian Sergiy Stakhovsky defeated third-seeded Federer in the second round in a four set battle (6-7

(5), 7-6 (5), 7-5, 7-6 (5)). Although Federer did not commit too many unforced errors (13), Stakhovsky pressured him with an aggressive 72 winners to take the match and advance to the third round.

#### Players like David Ferrer and Tomas Berdych stand in the way of a repeat Djokovic-Murray final.

The early exits of Federer and Nadal have opened up the draw for the participants of the 2012 Wimbledon Finals: top-seeded Novak Djokovic and second-seeded Andy Murray. These two tennis superstars have had no major problems advancing to the Round of 16. Having won only the U.S. Open out of the four Grand Slams so far, Murray hopes to win his first ever Wimbledon in front of his British supporters, while Djokovic seeks his second Wimbledon and seventh Grand Slam overall. However, players like fourth-seeded David Ferrer and seventh-seeded Tomas Berdych stand in the way of a repeat Djokovic-Murray final.

In light of the unpredictable nature of the first week of Wimbledon, it is difficult to tell what may unfold in the second week. What can be said, however, is that Wimbledon is underway, and some of the best tennis is yet to come.

# Cameron Cogburn wins Mt. Hood Cycling Classic

MIT graduate student impressive in solo effort

By Sarah Weir and Nate Dixon

STAFF REPORTERS

From June 21 to 23, Cameron Valier Cogburn G competed in Oregon's Mt. Hood Cycling Classic and walked (or rode) away in first place with the yellow jersey. He came into the final stage of the four-stage race weekend in fourth place overall and 40 seconds behind the leader. Cogburn made up significant time on the last climb of the race to finish eighth in the stage and win the professional men's category by six seconds.

Cogburn is a second-year graduate student in the physics department who came to MIT after completing his undergraduate degree (also in physics) at Cornell University. After graduating, he became a member of the Jelly Belly professional cycling squad, one of the most successful teams on the U.S. circuit.

As a member of the MIT cycling team, he won the criterium and time trial at the MIT X-Pot in March and took first at

the Eastern Collegiate Cycling Conference (ECCC) championship road race at Penn State in April. To conclude an impressive collegiate season, Cogburn won the road race at the Division II Collegiate Road Nationals competition by dropping all

# The scenic Mt. Hood race attracts many professional cyclists from across the nation.

competition on the major climb of the race and riding solo to the finish. Cogburn is known to be a talented climbing specialist, and won the annual Mt. Washington Hillclimb in 2012 with the second-fastest time in history.

This year marked the 11th and final occurrence of the Mt. Hood Cycling Classic, which is known for its exhilarating, scenic routes through the Cascade Mountains and Columbia River Gorge. Mt. Hood is a stage race

(like the Tour de France) that draws many professional cyclists from around the country. In three days, racers completed two road races, a time trial, and a criterium. Stage 2, the Scenic Gorge Time Trial, is claimed to be one of the most beautiful courses on the professional circuit. Cogburn finished third in the time trial, which put him in position to win coming into the fourth and final stage on Sunday. His win was especially impressive because, unlike many other riders, he competed without the support of any teammates, who might have provided a tactical advantage.

Sunday's road race, the Three Summits Road Race, took riders through the Mt. Hood National Forest for 146 kilometers and 3,200 meters of climbing. Coming into the final stage just 40 seconds behind the leader, Cogburn conserved his energy for most of the race by riding in a group. Then, during the final hill climb he caught the defending leader and beat him by 46 seconds to earn the general classification yellow jersey.



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